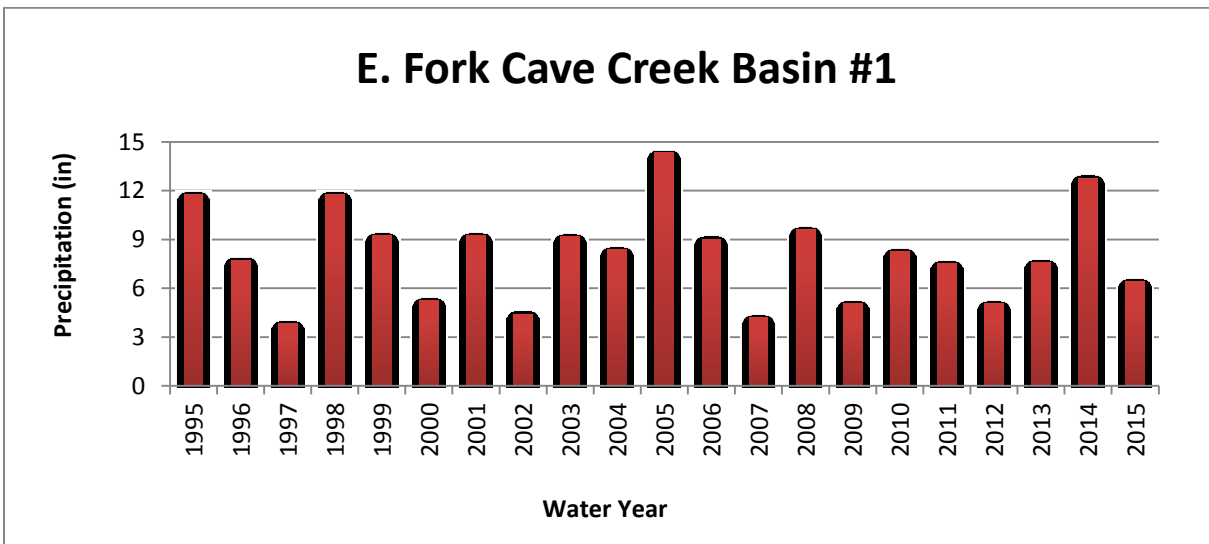




## Station Name: East Fork Cave Creek Basin #1

<b>Station ID Number History:</b>	4645 since 03/02/1994
<b>Station Type:</b>	Rain/Stage
<b>Data Begins:</b>	03/02/1994
<b>Years Since Installation:</b>	21.58 (as of 10/01/15)
<b>Data Repeater:</b>	Thompson Peak
<b>County:</b>	Maricopa
<b>Latitude:</b>	33° 40' 11.3" (33.6698)
<b>Longitude:</b>	112° 01' 31.3" (112.02536)
<b>Elevation:</b>	1,495 ft. msl
<b>Location:</b>	1/4 mi. East of Beardsley Road and Cave Creek Road
<b>Data Record:</b>	
Incomplete Months:	None
Missing Months:	None
<b>Remarks:</b>	Records Good



**Data Statistics for Period of Record:**

Number of storms greater than 1 inch in 24 hours:	41	
Number of storms greater than 2 inches in 24 hours:	7	
Number of storms greater than 3 inches in 24 hours:	0	
		Approx. Tr
Greatest 15 minute total:	1.02" on 08/19/14	29 years
Greatest 1 hour total:	1.42" on 08/19/14	13 years
Greatest 3 hour total:	1.73" on 09/08/14	15 years
Greatest 6 hour total:	2.36" on 09/08/14	39 years
Greatest 24 hour total:	2.48" on 09/08/14	12 years
Greatest 72 hour total:	2.92" on 01/21/10	11 years

**Water Year Totals (Mean of Complete Water Years [21] = 8.12 inches):**

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	8.27	2000	5.24
2019		2009	5.04	1999	9.21
2018		2008	9.61	1998	11.73
2017		2007	4.21	1997	3.82
2016		2006	9.02	1996	7.72
2015	6.42	2005	14.33	1995	11.77
2014	12.76	2004	8.35	1994	M
2013	7.56	2003	9.17	1993	
2012	5.08	2002	4.41	1992	
2011	7.52	2001	9.21	1991	

M: One or more months contain partial or missing data

**Design Rainfall for this Geographic Location:**

**Click this [link](#) for Point Precipitation Frequency Estimates (Annual Maximum Series) in Tabular and Graphical Formats from NOAA Atlas 14, Volume I, Version 5**

## Flood Control District of Maricopa County ALERT System

Daily Rainfall at East Fork Cave Cr. Basin #1 (gage # 4645) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
1														
2						.35								
3						.04				.04				
4			.71					.35						
5									.31					
6										.04				
7														
8														
9	.08													
10														
11				.08							.04			
12				.04								.04		
13			.28	.08								.59		
14														
15								.87						
16								.04						
17			.04											
18										.08				
19	.08					.91								
20														
21														
22												.04		
23					.04									
24														
25							.08							
26							.28							
27								.04						
28							.04							
29				.12	----						.04			
30				.47	----			.04						
31		----	.12	.04	----		----		----			----		
SUM	0.16	0.00	1.14	0.83	0.04	1.30	0.39	1.34	0.31	0.16	0.08	0.67		
ACC	0.16	0.16	1.30	2.13	2.17	3.46	3.86	5.20	5.51	5.67	5.75	6.42		
MAX	0.08	0.00	0.71	0.47	0.04	0.91	0.28	0.87	0.31	0.08	0.04	0.59		
NO.	2	0	4	6	1	3	3	5	1	3	2	3		
													Maximum Daily Rainfall	0.91
													Maximum Monthly Rainfall	1.34
													Total Annual Rainfall	6.42
													Number of Days with Rain	33



**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at East Fork Cave Cr. Basin #1 (gage # 4645) for Water Year 2013

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2													
3													
4													
5													
6													
7													
8						.51						.28	
9		.08			.04	.08						2.20	
10				.08								.04	
11													
12	.08												
13			.16										
14			.39										
15			.35										
16													
17													
18			.12										
19			.04							.08			
20					.28								
21										.67	.24		
22													
23													
24													
25													
26				1.38									
27				.28									
28											.20		
29						----							
30						----							
31		----				----		----	----			----	
SUM	0.08	0.08	1.06	1.73	0.31	0.59	0.00	0.00	0.00	0.75	0.43	2.52	
ACC	0.08	0.16	1.22	2.95	3.27	3.86	3.86	3.86	3.86	4.61	5.04	7.56	
MAX	0.08	0.08	0.39	1.38	0.28	0.51	0.00	0.00	0.00	0.67	0.24	2.20	
NO.	1	1	5	3	2	2	0	0	0	2	2	3	
												Maximum Daily Rainfall	2.20
												Maximum Monthly Rainfall	2.52
												Total Annual Rainfall	7.56
												Number of Days with Rain	21

**Flood Control District of Maricopa County ALERT System**  
 Daily Rainfall at East Fork Cave Cr. Basin #1 (gage # 4645) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4	.12	.35								.04		
5		.39										
6												
7		.16										.12
8												
9												.04
10												.28
11										.04		.12
12			.39							.04		.04
13		.20	.35									
14			.16				.08				.04	
15												
16												
17												
18						.67						
19												
20												
21											.39	
22											.08	
23											.63	
24												
25	.08											
26							.08					
27												
28										.04		
29										.08		
30					----							
31		----			----		----		----	.08		----
SUM	0.20	1.10	0.91	0.00	0.00	0.68	0.16	0.00	0.00	0.31	1.14	0.59
ACC	0.20	1.30	2.20	2.20	2.20	2.87	3.03	3.03	3.03	3.35	4.49	5.08
MAX	0.12	0.39	0.39	0.00	0.00	0.67	0.08	0.00	0.00	0.08	0.63	0.28
NO.	2	4	3	0	0	1	2	0	0	6	4	5
							Maximum Daily Rainfall					0.67
							Maximum Monthly Rainfall					1.14
							Total Annual Rainfall					5.08
							Number of Days with Rain					27



**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at East Fork Cave Cr. Basin #1 (gage # 4645) for Water Year 2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
1														
2														
3														
4														
5														
6					.04									
7			.83		.12	.63								
8						.20								
9						.08								
10														
11			----											
12			----											
13			----											
14														
15														
16					.08									
17											.12			
18				.12										
19				1.06										
20					.16									
21				1.85	.51						.08			
22			.04	.08	.08						.16	.12		
23				.08		.08								
24											.16			
25														
26														
27					.08									
28					.98						.20			
29					----					.12				
30					----									
31		----			----		----		----	.24		----		
SUM	0.00	0.00	0.87	3.19	2.04	0.98	0.00	0.00	0.00	0.35	0.71	0.12		
ACC	0.00	0.00	0.87	4.06	6.10	7.09	7.09	7.09	7.09	7.44	8.15	8.27		
MAX	0.00	0.00	0.83	1.85	0.98	0.63	0.00	0.00	0.00	0.24	0.20	0.12		
NO.	0	0	2	5	8	4	0	0	0	2	4	1		
													Maximum Daily Rainfall	1.85
													Maximum Monthly Rainfall	3.19
													Total Annual Rainfall	8.27
													Number of Days with Rain	26

**Notes:**

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Annual rainfall in millimeters: 210

Gage 4645 down from 12/10 11:22 (21) through 12/14 11:23 (21) due to repeater failure; no rain fell.











## Flood Control District of Maricopa County ALERT System

### Daily Rainfall at E. Fork Cave Cr. # 1 (gage # 4645) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2											1.26	
3				.71							.16	
4			.24	.51		.04						
5			.16			.04					.04	
6			.31		.12	.04						
7		.24										
8		.24										.08
9											.04	.04
10					.08						.04	
11				.28	.91							
12					1.06							
13					.04							
14												
15												
16												
17					.24							
18					.28					.24		
19					.71							
20					.28							
21	.39	.08			.24							
22		.39										
23					.04		.35					
24				.12	.20							
25						.04						
26				.79						.98		
27				.04								
28	.43		.08									
29			.98	.20	-----							
30					-----							
31		-----			-----		-----		-----	.59		-----
<b>SUM</b>	<b>0.83</b>	<b>0.94</b>	<b>1.77</b>	<b>2.64</b>	<b>4.17</b>	<b>0.16</b>	<b>0.35</b>	<b>0.00</b>	<b>0.00</b>	<b>1.81</b>	<b>1.54</b>	<b>0.12</b>
<b>ACC</b>	<b>0.83</b>	<b>1.77</b>	<b>3.54</b>	<b>6.18</b>	<b>10.35</b>	<b>10.51</b>	<b>10.87</b>	<b>10.87</b>	<b>10.87</b>	<b>12.68</b>	<b>14.21</b>	<b>14.33</b>
<b>MAX</b>	<b>0.43</b>	<b>0.39</b>	<b>0.98</b>	<b>0.79</b>	<b>1.06</b>	<b>0.04</b>	<b>0.35</b>	<b>0.00</b>	<b>0.00</b>	<b>0.98</b>	<b>1.26</b>	<b>0.08</b>
<b>NO.</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>5</b>	<b>2</b>
	Maximum Daily Rainfall											1.26
	Maximum Monthly Rainfall											4.17
	Total Annual Rainfall											14.33
	Number of Days with Rain											45

#### Notes:

Annual rainfall in millimeters: 364

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at E. Fork Cave Cr. # 1 (gage # 4645) for Water Year 2004**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1		.04										
2		.04				.04	1.65					
3				.04								
4						.51						
5						.35						
6												
7												
8												
9												
10	.28											
11			.16								.12	
12		1.42										
13						.08				.20	.04	
14										.08		
15												
16												
17												
18											.71	.59
19												.31
20												
21				.08								
22				.31								
23					.83							
24			.04									
25				.16								
26			.12							.04		
27					.04					.04		
28												.04
29												
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.28	1.50	0.31	0.59	0.87	0.98	1.65	0.00	0.00	0.35	0.87	0.94
ACC	0.28	1.77	2.09	2.68	3.54	4.53	6.18	6.18	6.18	6.54	7.40	8.35
MAX	0.28	1.42	0.16	0.31	0.83	0.51	1.65	0.00	0.00	0.20	0.71	0.59
NO.	1	3	3	4	2	4	1	0	0	4	3	3
							Maximum Daily Rainfall					1.65
							Maximum Monthly Rainfall					1.65
							Total Annual Rainfall					8.35
							Number of Days with Rain					28

**Notes:**

Annual rainfall in millimeters: 212

Total down-time: 0.00 days



**Flood Control District of Maricopa County ALERT System**  
 Daily Rainfall at E. Fork Cave Creek #1 (gage # 4645) for Water Year 2002

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4			.47									
5		.08									.04	
6							.04					.87
7							.16					.08
8												
9							-----					.04
10							-----					
11												
12			.04									
13												
14										2.13		
15												
16												
17												
18												
19												
20												
21												
22												
23										.39		
24												
25		.04										
26												
27												
28												
29							-----					
30				.04			-----					
31		-----					-----		-----			-----
SUM	0.00	0.12	0.51	0.04	0.00	0.00	0.20	0.00	0.00	2.52	0.04	0.98
ACC	0.00	0.12	0.63	0.67	0.67	0.67	0.87	0.87	0.87	3.39	3.43	4.41
MAX	0.00	0.08	0.47	0.04	0.00	0.00	0.16	0.00	0.00	2.13	0.04	0.87
NO.	0	2	2	1	0	0	2	0	0	2	1	3
							Maximum Daily Rainfall					2.13
							Maximum Monthly Rainfall					2.52
							Total Annual Rainfall					4.41
							Number of Days with Rain					13

**Notes:**

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Total annual rainfall in millimeters: 112 Total down-time: 2.87 days  
 Gage 4645 down from 04/08 13:37 (22) through 04/11 10:34 (22) due to programming error; no rain fell.



**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at E. Fork Cave Cr. #1 (gage # 4645) for Water Year 2001

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4	.12	.04										
5							.35					
6							.24			.16		
7		.04				.67						
8	.08			.20								
9				.31							.16	
10	.59					.04	.04					
11												
12				.79								
13				.04	.24							
14					.16						.16	
15				.04							.04	
16				.12								
17											.43	
18												
19												
20												
21	.12						.12					
22	.51											
23	.16											
24	.12											
25					.12							
26					.04							
27	.51			1.22	.16							
28	.20				.28							
29					----							
30	.35				----					.20		
31	.08	----			----		----		----			----
SUM	2.83	0.08	0.00	2.72	0.98	0.71	0.75	0.00	0.00	0.35	0.79	0.00
ACC	2.83	2.91	2.91	5.63	6.61	7.32	8.07	8.07	8.07	8.43	9.21	9.21
MAX	0.59	0.04	0.00	1.22	0.28	0.67	0.35	0.00	0.00	0.20	0.43	0.00
NO.	11	2	0	7	6	2	4	0	0	2	4	0
							Maximum Daily Rainfall					1.22
							Maximum Monthly Rainfall					2.83
							Total Annual Rainfall					9.21
							Number of Days with Rain					38

**Notes:**

Annual rainfall in millimeters: 234

Total down-time: 0.00 days





**Flood Control District of Maricopa County ALERT System**  
 Daily Rainfall at E.Fork Cave Cr. #1 (gage # 4645) for Water Year 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			.04				.28					
2												.04
3				.20	.04							
4				.08	1.97							.04
5										.04		
6			.12			.04				.91		
7			.35		.04					.55		
8			.08		.71					.04		
9					.24							.12
10				.24								
11												.04
12							.12					
13								.08				
14		.04			.08	.08						
15					.63	.08					.24	
16												
17					.67	.16						
18												
19												
20					.24							
21			.31									
22			.47									.12
23												
24					.67						.12	
25												
26						.98						
27												
28						.31						
29					----	.08						
30					----							
31		----			----		----		----			----
SUM	0.00	0.04	1.38	0.51	5.28	1.73	0.39	0.08	0.00	1.54	0.35	0.35
ACC	0.00	0.04	1.42	1.93	7.20	8.94	9.33	9.41	9.41	10.98	11.34	11.73
MAX	0.00	0.04	0.47	0.24	1.97	0.98	0.28	0.08	0.00	0.91	0.24	0.12
NO.	0	1	6	3	10	7	2	1	0	4	2	5
	Maximum Daily Rainfall											1.97
	Maximum Monthly Rainfall											5.28
	Total Annual Rainfall											11.73
	Number of Days with Rain											41

**Notes:**

Annual rainfall in millimeters: 298

Total down-time: 0 days

**Flood Control District of Maricopa County ALERT System**  
 Daily Rainfall at E.Fork Cave Cr. #1 (gage # 4645) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2							.12					
3				.16			.12				.31	
4				.04								
5												
6												
7												
8											.16	
9												
10												
11												.67
12												
13				.47								
14	.16			.08								
15									.04			
16												
17												
18												
19											.12	
20												
21												
22		.04										
23												
24												
25												.04
26												
27					.75							
28					.43							
29												
30										.08	.04	
31												
SUM	0.16	0.04	0.00	0.75	1.18	0.00	0.24	0.00	0.04	0.08	0.63	0.71
ACC	0.16	0.20	0.20	0.94	2.13	2.13	2.36	2.36	2.40	2.48	3.11	3.82
MAX	0.16	0.04	0.00	0.47	0.75	0.00	0.12	0.00	0.04	0.08	0.31	0.67
NO.	1	1	0	4	2	0	2	0	1	1	4	2
							Maximum Daily Rainfall					0.75
							Maximum Monthly Rainfall					1.18
							Total Annual Rainfall					3.82
							Number of Days with Rain					18

**Notes:**

Annual rainfall in millimeters: 97

Total down-time: 0 days





**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at E.Fork CC #1 (gage # 4645) for Water Year 1994**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2												0.16	
3													
4												1.34	
5													
6										0.08			
7						0.35							
8													
9													
10												0.04	
11								0.08					
12													
13												0.35	
14						0.04							
15													
16													
17										0.08			
18										0.08			
19						0.24							
20						0.12						0.12	
21												0.16	
22													
23													
24								0.04					
25						0.59		0.04					
26							0.12						
27						0.04							
28										0.16			
29													
30													
31													
SUM						1.38	0.12	0.16	0.00	0.31	0.08	2.17	
ACC						1.38	1.50	1.65	1.65	1.97	2.05	4.21	
MAX						0.59	0.12	0.08	0.00	0.16	0.08	1.34	
NO.						6	1	3	0	3	1	6	
												Maximum Daily Rainfall	1.34
												Maximum Monthly Rainfall	2.17
												<b>Partial</b> Annual Rainfall	4.21
												Number of Days with Rain	20

**Notes:**

Annual rainfall in mm: 107  
 Gage installed 3/02/94.